



Entitlement Manager for Databases

THE SITUATION

Relational database management systems (RDBMS) have been an integral component of technology stacks for a long time, acting as critical vehicles for managing structured data. However, they can also be a vector for data loss or leakage – whether inadvertently or maliciously.

As the world becomes ever more digitized, the amount of data being generated is growing exponentially. With this rapid growth, the need to meet security and compliance requirements becomes that much more important. As a result, organizations today need solutions that can secure the structured data managed by RDBMS.



THE SOLUTION

NextLabs' Entitlement Manager for Databases (EMDB) enables you to secure your valuable data in relational databases. The solution leverages user and host attributes in making access decisions. At the end of the day, EMDB simplifies the design and development of security features into your ODBC or JDBC application.

Key capabilities include:

- Granular controls over filtered rows in database tables
- Granular controls over specific actions in relational databases

THE BENEFITS

EMDB provides the following benefits:

- Externalize authorization management to simplify and reduce the time spent on administering access control policies
- React more rapidly to changes in business requirements, market conditions, or regulatory environment since policy changes can be made without requiring code changes or application downtime
- Lower your total cost of ownership as you can leverage your existing investment in the NextLabs platform
- Reduce the cost of compliance through more efficient and cost-effective monitoring and audit of your data

KEY FEATURES

Feature	Detail
Filtering controls	<ul style="list-style-type: none">■ Control what users can do with filtered rows in database tables■ Filter the database rows by operation (e.g., Select, Update, Delete) such that users cannot select, update, or delete rows that have been filtered
Block controls	<ul style="list-style-type: none">■ Control whether users can block certain actions■ Block by operation (e.g., Insert, Call) such that users cannot insert a base table or call a stored procedure
Mask control	<ul style="list-style-type: none">■ Mask and block user to update confidential data

SUPPORT INFORMATION

API	ODBC, JDBC (JRE 1.8, 1.9, 1.11)
OS	Win10x64 Windows Server 2016/2019 Standard RedHat7.6/8.1 ODBC 64bits Unix ODBC 2.3.7 JDBC 1.8
RDBMS	SQL Server 2016/2019 Oracle 12.2.0/19c DB2 11.1 HANA2.0 BigQuery
NextLabs Platform	Control Center 9.1, Java Policy Controller 9.1 Control Center 2020.04, Java Policy Controller 2020.04

ABOUT NEXTLABS

NextLabs®, Inc. provides data-centric security software to protect business critical data and applications. Our patented dynamic authorization technology and industry leading attribute-based policy platform helps enterprises identify and protect sensitive data, monitor and control access to the data, and prevent regulatory violations – whether in the cloud or on premises. The software automates enforcement of security controls and compliance policies to enable secure information sharing across the extended enterprise. NextLabs has some of the largest global enterprises as customers and has strategic relationships with industry leaders such as SAP, Siemens, Microsoft, and IBM. For more information on NextLabs, please visit <http://www.nextlabs.com>.

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